FORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)

of

COMPLETE IF KNOWN				
Application Number	10/038,752			
Confirmation Number	6285			
Filing Date	December 31, 2001			
First Named Inventor	C. Andrew Neff			
Group Art Unit	2134			
Examiner Name	Gregory Allan Morse			
Attorney Docket No.	324628006US1			

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•				Art Unit	2134	
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Sheet	1	of	1	Altomey Docket Number	324628006US1	

	U.S. PATENT DOCUMENTS						
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30		US-6,021,200	02-01-2000	Fischer, Jean-Bernard			
The		US-6,550,675	04-22-2003	Davis et al.			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁶ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			

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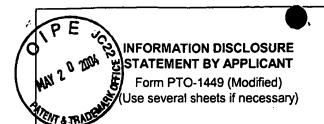
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					U.S. PATENT DOCUMENTS			
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Confirmation Number	6285
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First Named Inventor	C. Andrew Neff
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Examiner Name	Gilberto Barron, Jr.
Attorney Docket No.	324628006US1

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JW		4,77	74,665		Webb	9/27/88		
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	Application Number	10/038,752	
	Confirmation Number	6285	
	Filing Date	December 31, 2001	
	First Named Inventor	C. Andrew Neff	
	Group Art Unit	2165	
	Examiner Name	Unknown	
	Attorney Docket No.	324628006US1	

					U.S. PATENT DOCUMENTS			
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DL	-		Cranor, L. F., "Electronic Voting, Computerized polls may save money, protect privacy," Crossroads, The ACM's First Electronic Publication, May 6, 1999, 4 pages					
ず					ure Electronic Voting Over the of Technology, May 27, 1997		e Web,"	

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COMPLETE IF KNOWN 10/038,752 Application Number 6285 Confirmation Number December 31, 2001 **Filing Date** C. Andrew Neff First Named Inventor 2165 Group Art Unit Examiner Name

324628006US1 Attorney Docket No.

*EXAMINER CI		U.S. Patent I	Document	Name of Patentee or Applicant	Date of Publication of Cited	Pages, Columns, Lines,
INITIALS	No.	NUMBER	Kind Code (if known)	of Cited Document	Document	Where Relevant Passages or Relevant Figures Appear
JW		5,278,753		Graft, III	1/11/94	
JW		5,400,248		Chisholm	3/21/95	
JW		5,495,532		Kilian et al.	2/27/96	D=
JW		5,521,980		Brands	5/28/96	TECENT.
TW		5,682,430		Kilian et al.	10/28/97	OCT
JW		5,717,759		Micali	2/10/98 G	2002
Jw		5,864,667		Barkan	1/26/99	OUP 3600
JW		5,878,399		Peralto	3/2/99	- 000

FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, Where Foreign Patent Document Date of Publication of *EXAMINER Name of Patentee or Applicant Relevant Passages or Relevant Kind Code INITIALS of Cited Document Cited Document Figures Appear Office Number (if known) 2/21/96 **NEC Corporation** EP 0 697 776 A2 JW 11/20/96 0 743 620 **A2 NEC Corporation** Jn EP JW wo 98/14921 Certco, LLC 4/9/98

		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
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J W		Benaloh, J., "Secret Sharing Homomorphisms: Keeping Shares of a Secret Secret", Advances in Cryptology – CRYPTO 1986, Lecture Notes in Computer Science, pp. 251-260, Springer-Verlag, Berlin, 1987	
すい		Benaloh, J., et al., "Distributing the Power of a Government to Enhance the Privacy of Voters", ACM Symposium on Principles of Distributed Computing, pp. 52-62, 1986	
JW		Borrell, Joan et al., "An implementable secure voting scheme", <i>Computers & Security</i> , Elsevier Science, Ltd., Great Britain, 1996, Vol. 15, No. 4, pp. 327-338	
JW		Chaum, D, "Elections with Unconditionally-Secret Ballots and Disruption Equivalent to Breaking RSA", EUROCRYPT 1988, pp. 177-182	
JW	•	Chaum, D., "Untraceable Electronic Mail, Return Addresses, and Digital Pseudonyms", Communications of the ACM, 24(2):84-88, 1981	
TW	•	Cramer, R, et al., "A Secure and Optimally Efficient Multi-Authority Election Scheme", Advances in Cryptology – EUROCRYPT 1997, Lecture Notes in Computer Science, Springer-Verlag, 1997.	

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DATE CONSIDERED

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tial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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COMPLETE IF KNOWN 10/038,752 **Application Number** 6285 **Confirmation Number** December 31, 2001 Filing Date C. Andrew Neff First Named Inventor

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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

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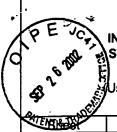
*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	Т
JW		Cramer, R., et al., "Multi-Authority, Secret-Ballot Elections with Linear Work", Advances in Cryptology – EUROCRYPT 1996, Lecture Notes in Computer Science, Springer-Verlag, Berlin, 1996	
σν		Cramer, R., et al., "Proofs of Partial Knowledge and Simplified Design of Cryptology - CRYPTO 1994, Lecture Notes in Computer Science, pp. 174-187, Springer-Verlag, Berlin, 1994	
かい		Cranor, Lorrie et al., "Sensus: A Security-Conscious Electronic Polling System for the Internet", Proceedings of the Hawaii International Conference on System Sciences, IEEE 1997, pp. 561-570	
JW		Diffie, W., et al., "New Directions in Cryptography", IEEE Transactions on Information Theory, 22(6):644-654, 1976	
はし		ElGamal, T., "A Public Key Cryptosystem and a Signature Scheme Based on Discrete Logarithms", IEEE Transactions on Information Theory, IT-31(4):469-472, 1985	
Jw		Fiat, A., et al., "How to Prove Yourself: Practical Solutions to Identification and Signature Problems", Advances in Cryptology – CRYPTO 1986, Lecture Notes in Computer Science, pp. 186-194, Springer-Verlag, New York, 1987	
Jw		Fujioka, A., et al., "A Practical Secret Voting Scheme for Large Scale Elections", Advances in Cryptology – AUSCRYPT 1992, Lecture Notes in Computer Science, pp. 244-251, Springer-Verlag, 1992	
び		Gennaro, R., "Achieving independence efficiently and securely", Proceedings 14 th ACM Symposium on Principles of Distributed Computing (PODC 1995), New York 1995	
JW		Iversen, K., "A Cryptographic Scheme for Computerized General Elections", CRYPTO 1991, pp. 405-419	
Jw		Jan, Jin-Ke et al., "A Secure Electronic Voting Protocol with IC Cards", Elsevier Science Inc., New York, J. Systems Software 1997, 39:93-101	
JW		Mu, Yi et al., "Anonymous Secure E-Voting over a Network", Proceedings, Annual Computer Security Applications Conference, IEEE 1998, pp. 293-299	
5~		Odlyzko, A. M., "Discrete logarithms in finite fields and their cryptographic significance", Advances in Cryptology – EUROCRYPT 1984, Notes in Computer Science, Springer-Verlag, 1984	
5~		Park, C., et al., "Efficient Anonymous Channel and All/Nothing Election Scheme", Advances in Cryptology – EUROCRYPT 1993, Lecture Notes in Computer Science, pp. 248-259, Springer-Verlag, 1993	
JW		Pedersen, T., "A Threshold Cryptosystem without a Trusted Party", Advances in Cryptology – EUROCRYPT 1991, Lecture Notes in Computer Science, pp. 522-526, Springer-Verlag, 1991	
The		Sako, K., et al, "Receipt-Free Mix-Type Voting Scheme – A practical solution to the implementation of a voting booth", EUROCRYPT 1995, pp. 393-403	
ME,		Sako, K., et al., "Secure Voting Using Partially Compatible Homomorphisms", Advances in Cryptology – CRYPTO 1994, Lecture Notes in Computer Science, Springer-Verlag, 1994	
an an		Schnorr, C.P., "Efficient Signature Generation by Smart Cards", Journal of Cryptology, 4(3):161-174, 1991	
. 1		Schoenmakers, B., "A Simple Publicly Verifiable Secret Sharing Scheme and its Application to Electronic Voting", Advances in Cryptology – CRYPTO 1999, Lecture Notes in Computer Science, pp. 1-17, Springer-Verlag 1999	
Jw		Shamir, A., "How to Share a Secret", Communications of the ACM, 22(11):612-613, 1979	<u> L</u>

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* EXAMINEK: Unital if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



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U.S. PATENT DOCUMENTS.							
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